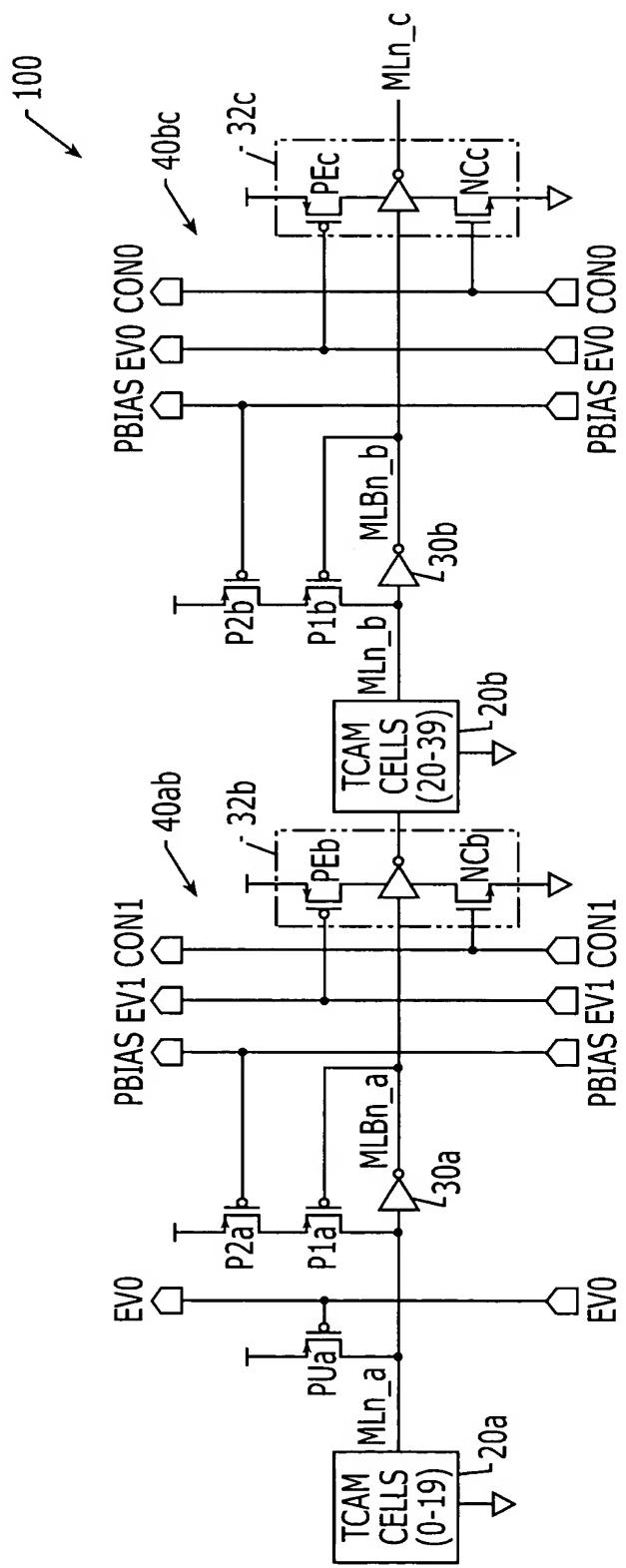
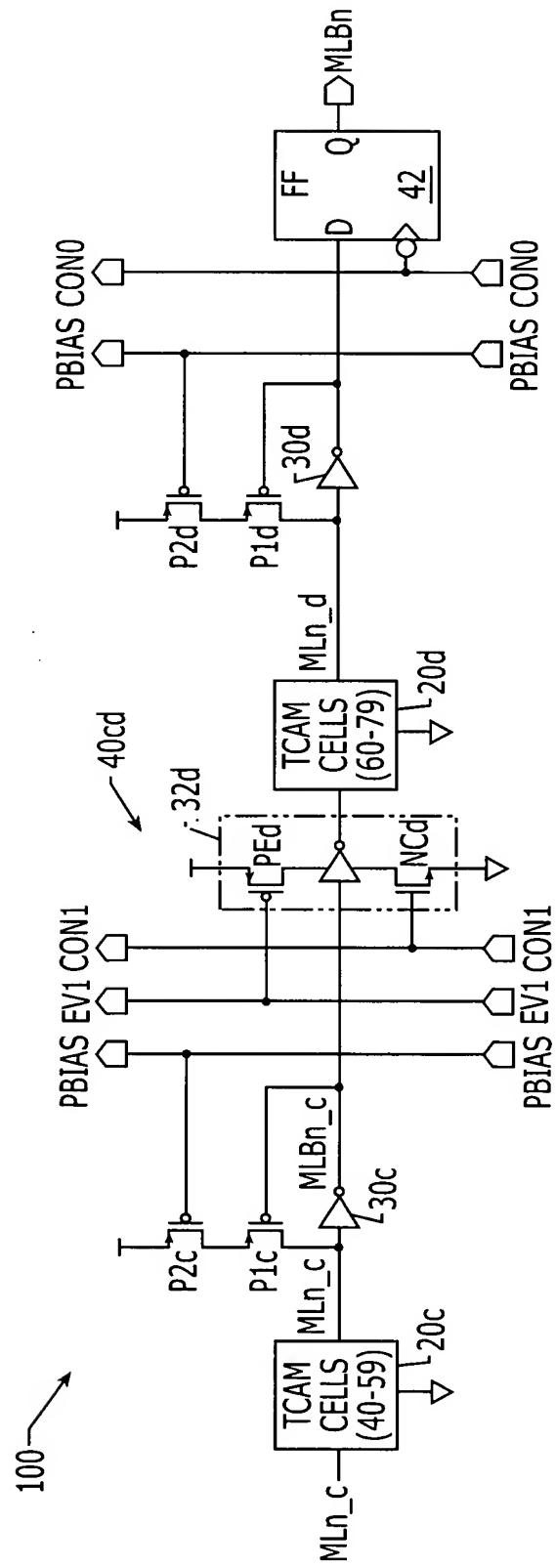
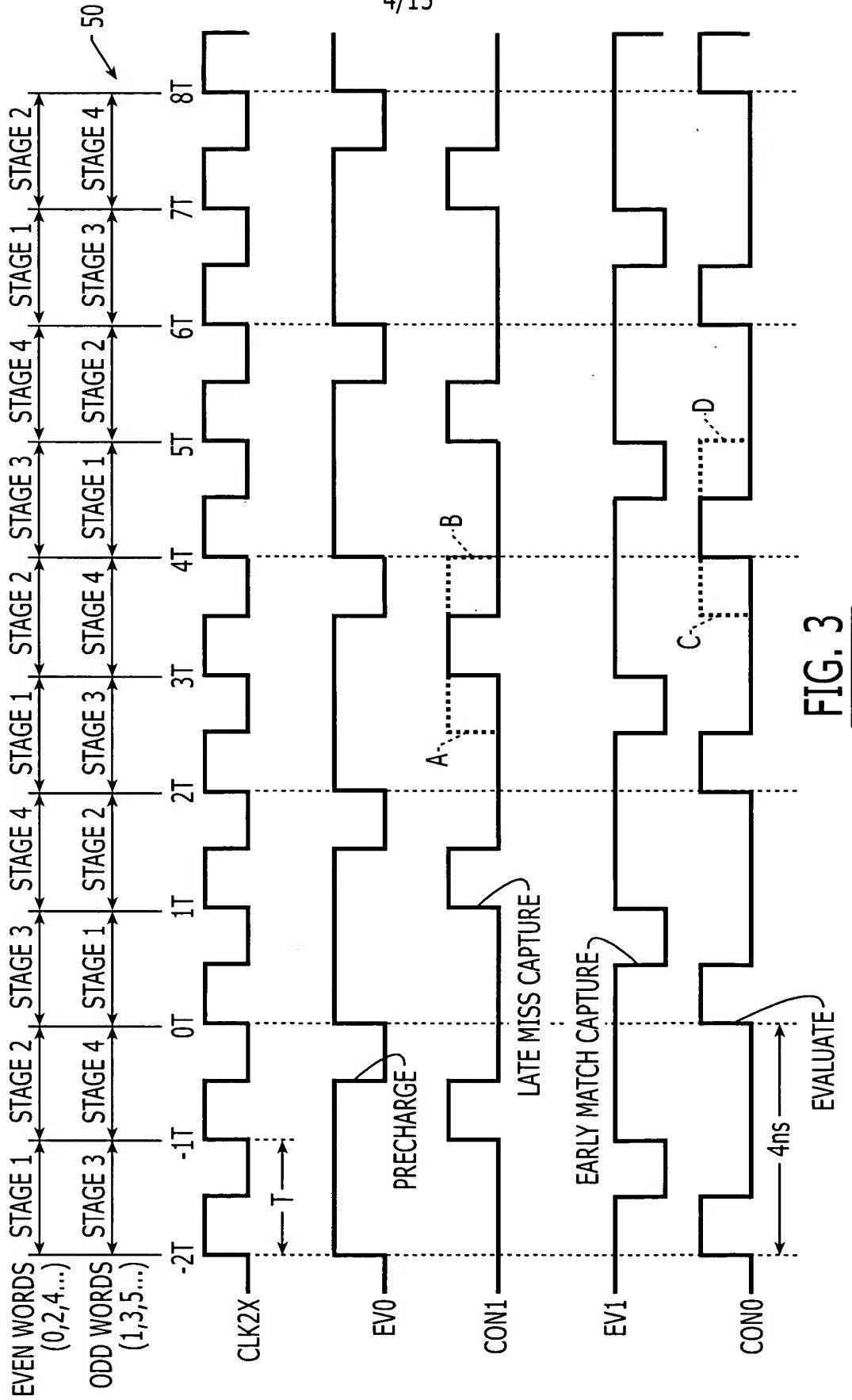


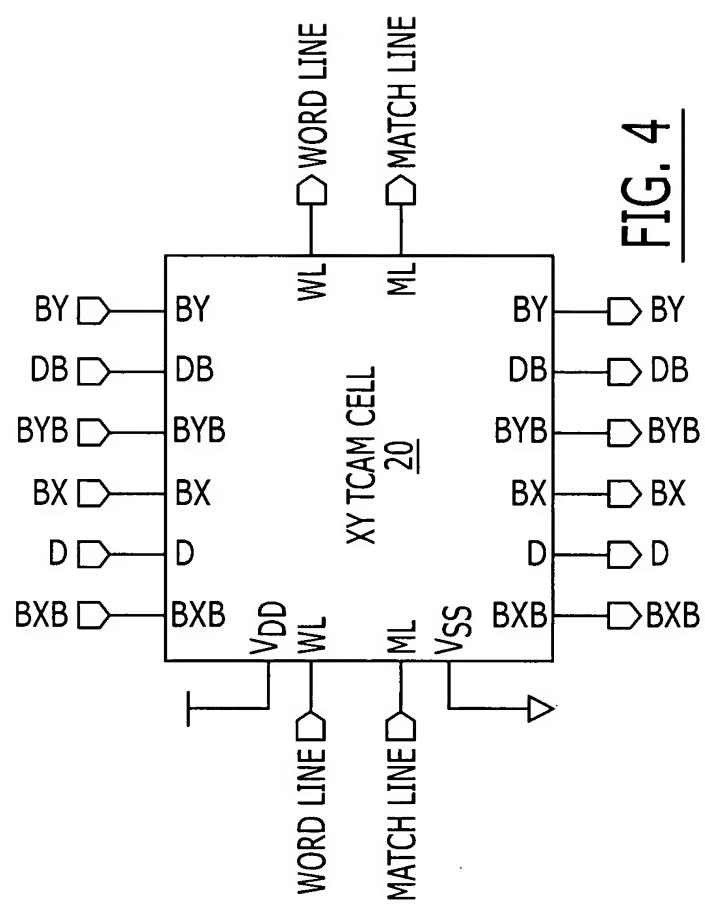
**FIG. 1**  
(PRIOR ART)

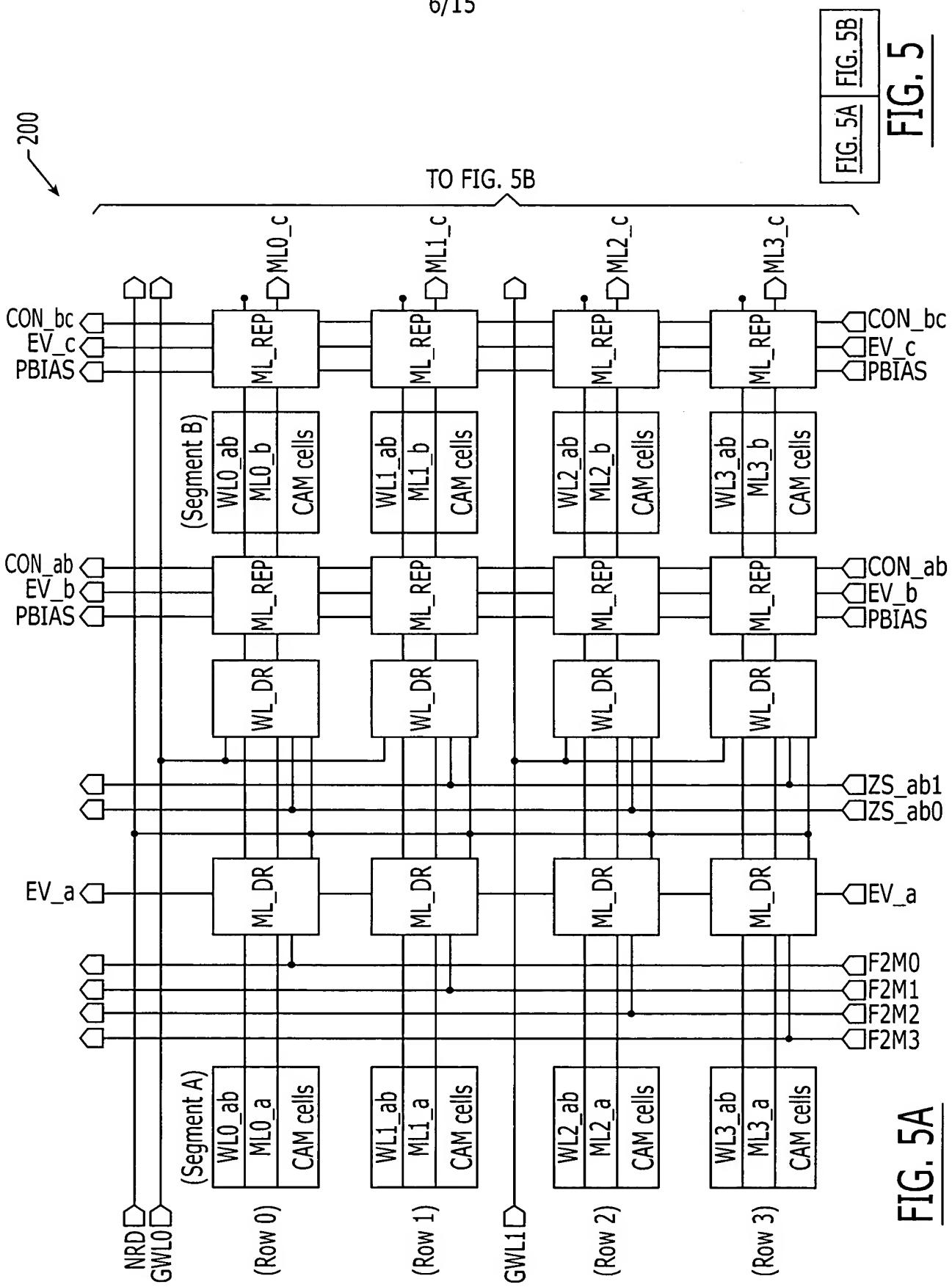
FIG. 2AFIG. 2

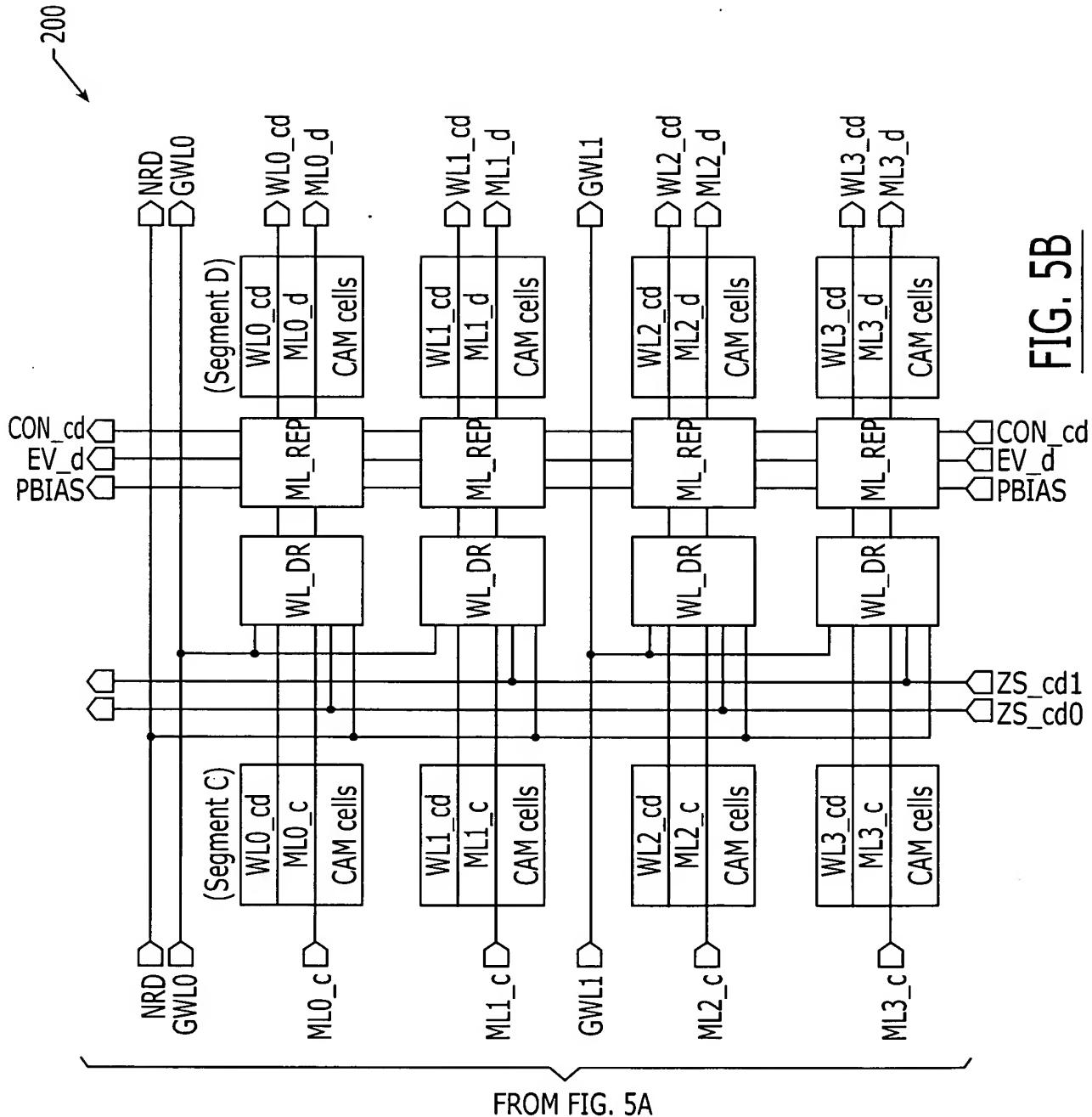
|                |                |
|----------------|----------------|
| <u>FIG. 2A</u> | <u>FIG. 2B</u> |
|----------------|----------------|

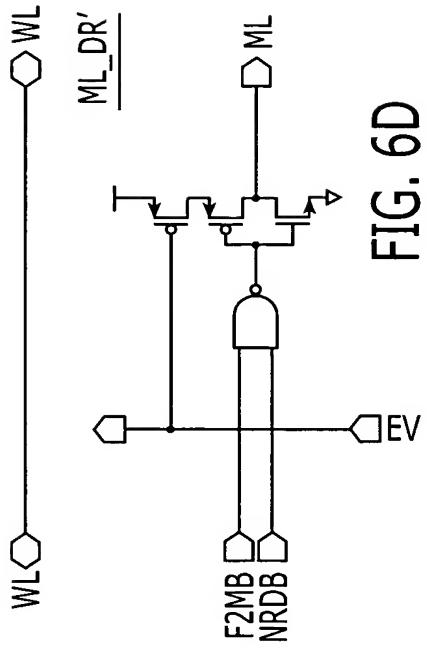
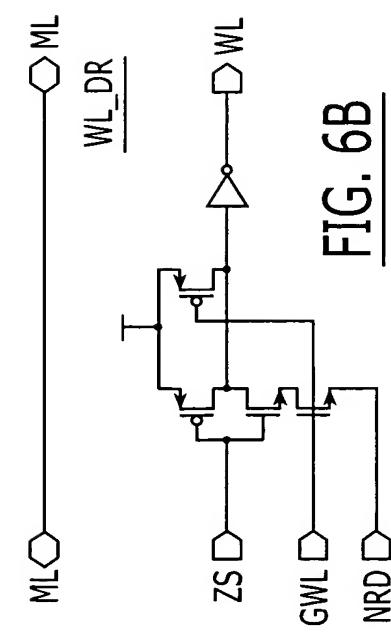
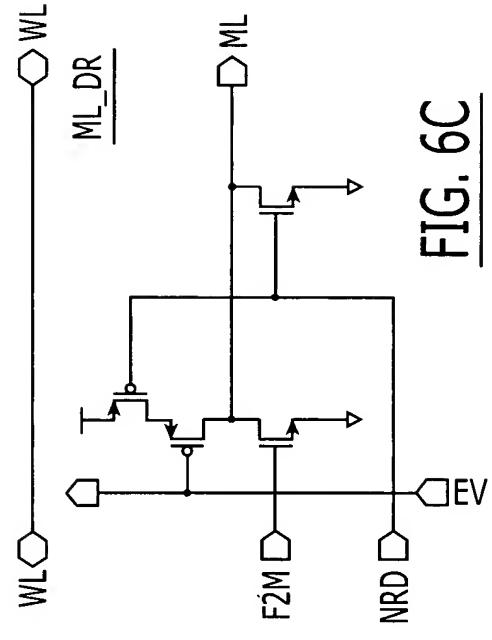
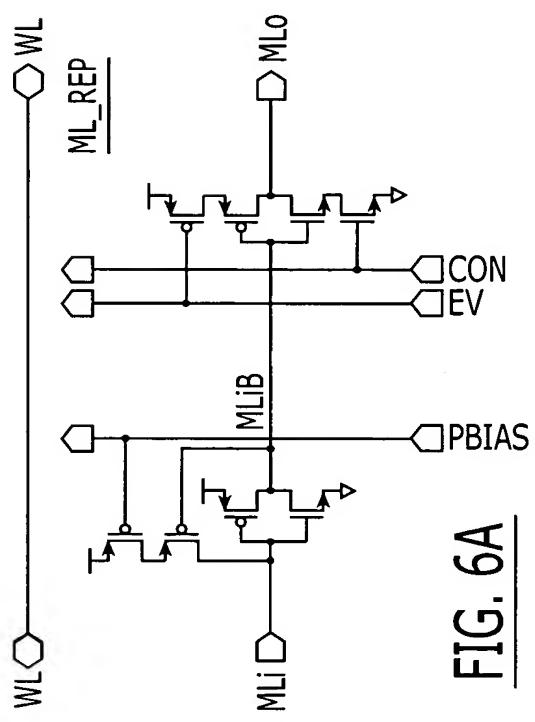
**FIG. 2B**

**FIG. 3**

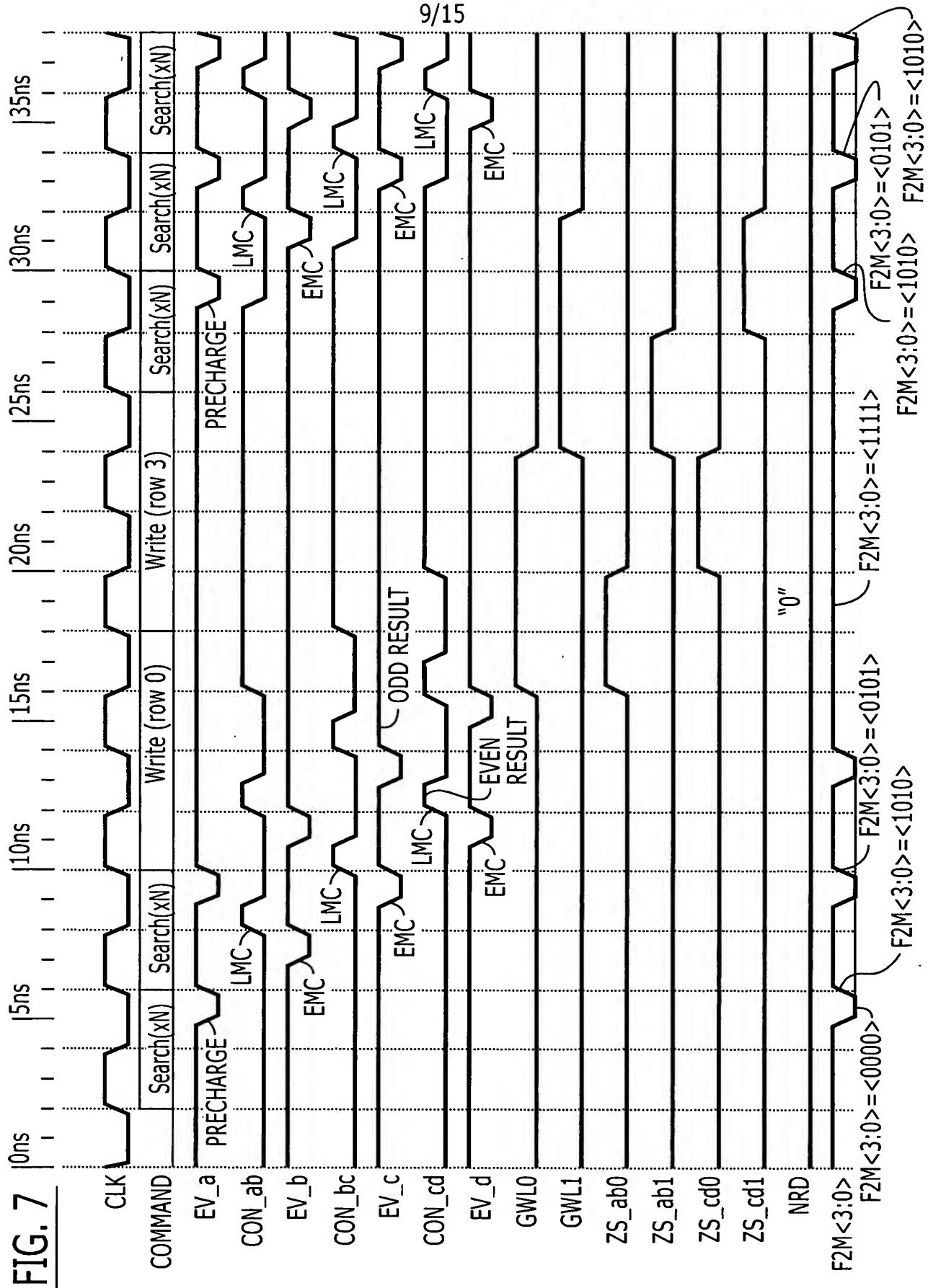


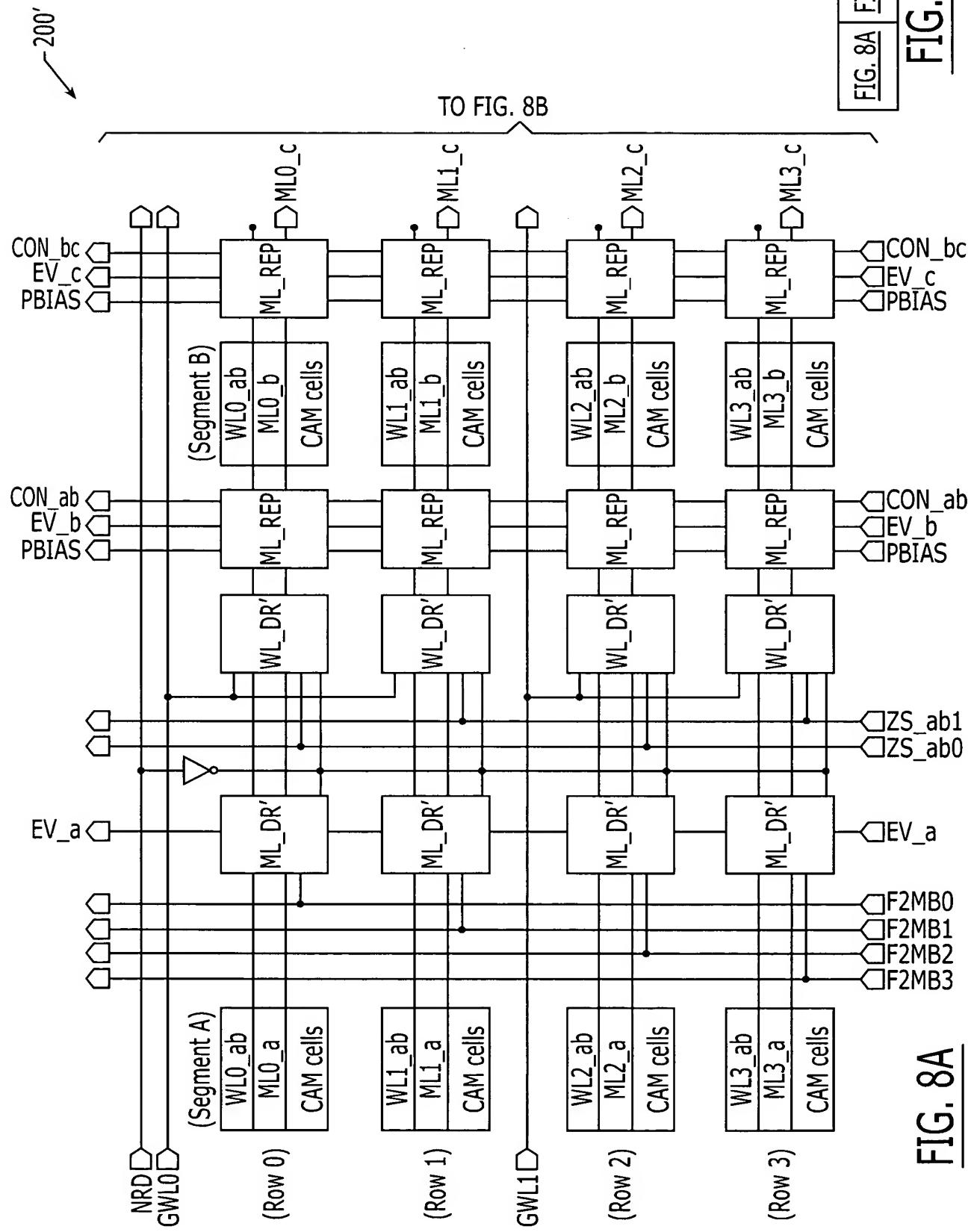
**FIG. 5A****FIG. 5**





**FIG. 7**





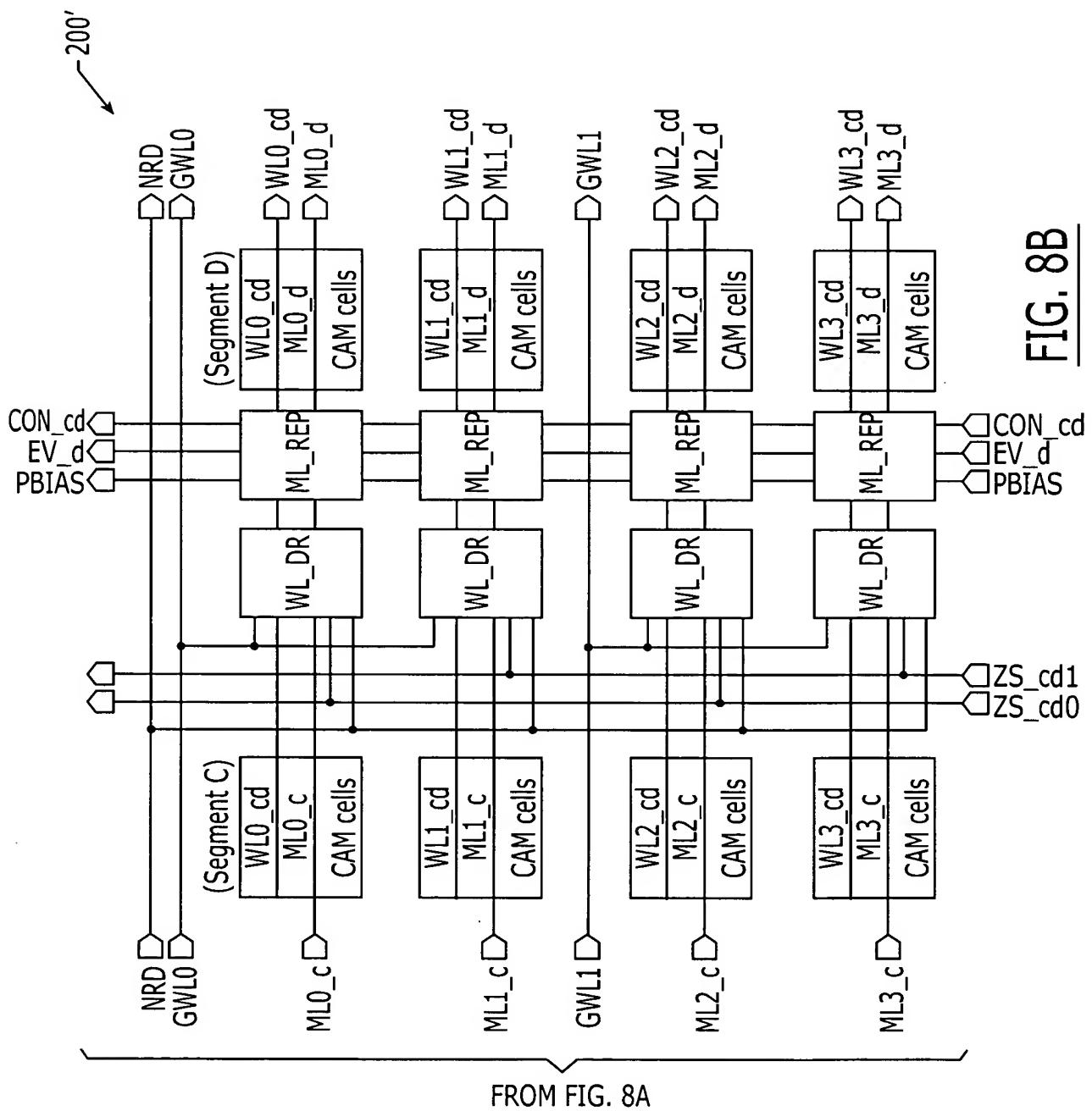


FIG. 8B

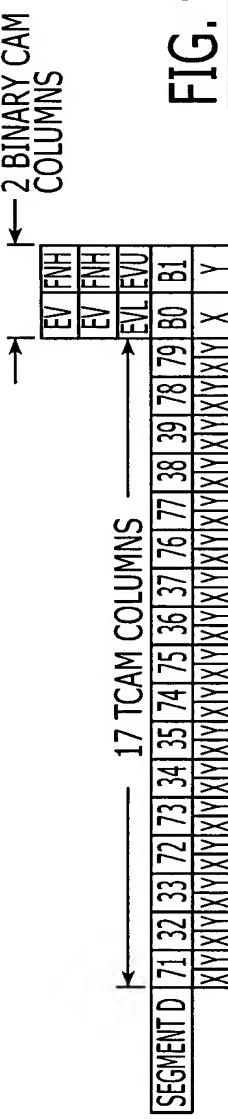
|           |    |    |     |     |     |     |     |     |     |     |   |    |    |   |   |    |    |   |   |    |    |   |   |    |   |   |   |
|-----------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|---|----|----|---|---|----|----|---|---|----|----|---|---|----|---|---|---|
| ALT MODE  | 0  | 0  | 0   | 0   | 0   | XE  | YE  | XO  | YO  |     |   |    |    |   |   |    |    |   |   |    |    |   |   |    |   |   |   |
| X80 MODE  | H2 | H3 | H4  | H5  | H6  | H7  | XE  | YE  | XO  | YO  |   |    |    |   |   |    |    |   |   |    |    |   |   |    |   |   |   |
| X40 MODE  | 0  | 0  | XE1 | YE1 | XO1 | YE1 | XE1 | YE1 | XO1 | YE1 |   |    |    |   |   |    |    |   |   |    |    |   |   |    |   |   |   |
| SEGMENT A | S0 | S1 | S2  | S3  | S4  | 0   | 1   | 40  | 41  | 2   | 3 | 42 | 43 | 4 | 5 | 44 | 45 | 6 | 7 | 46 | 47 | 8 | 9 | 48 |   |   |   |
|           |    |    |     |     |     | X   | Y   | X   | Y   | X   | Y | X  | Y  | X | Y | X  | Y  | X | Y | X  | Y  | X | Y | X  | Y | X | Y |

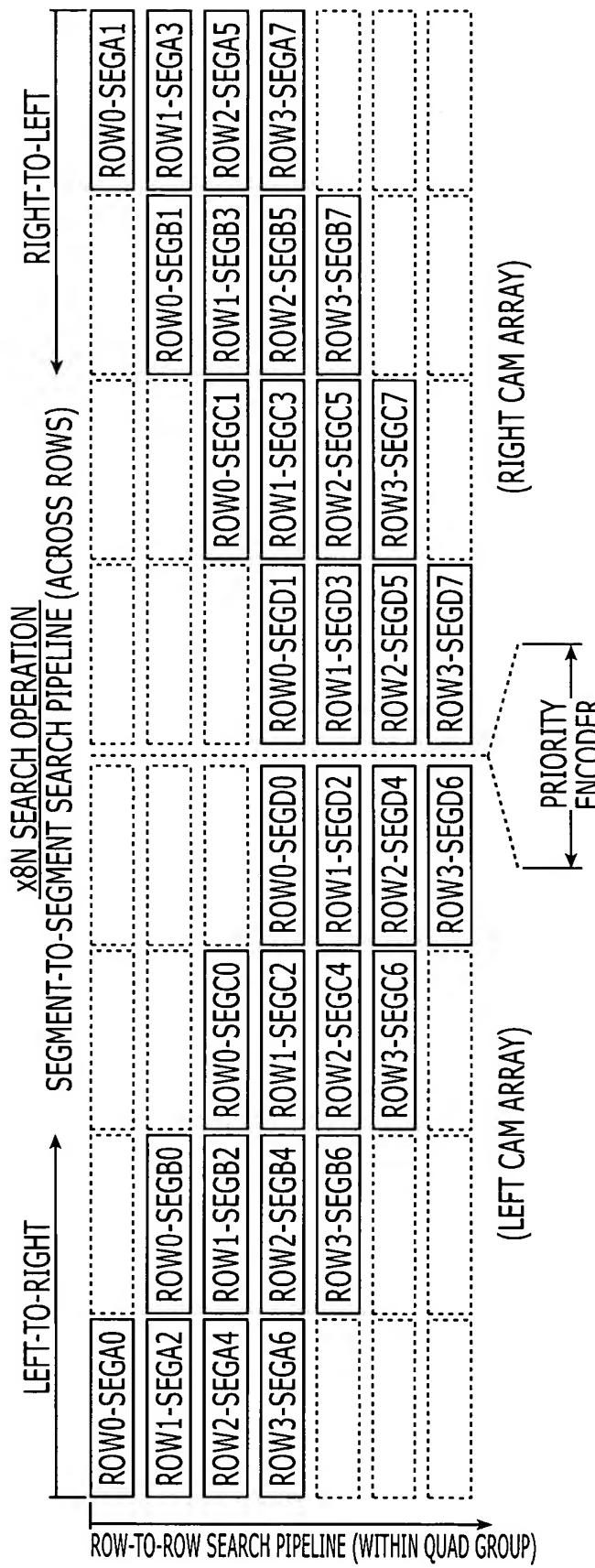
**FIG. 9A**

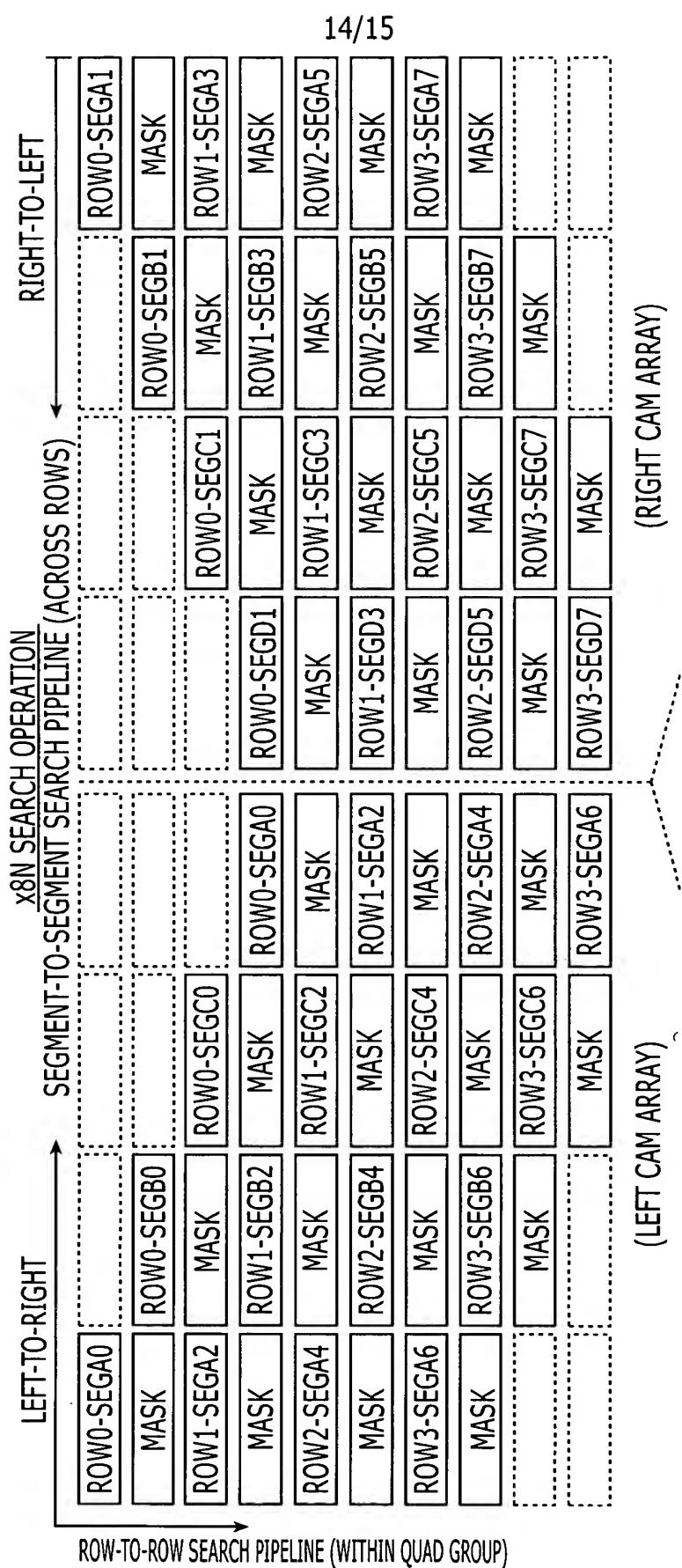
|           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
| SEGMENT B | 49 | 10 | 11 | 50 | 51 | 12 | 13 | 52 | 53 | 14 | 15 | 54 | 55 | 16 | 17 | 56 | 57 | 18 | 19 | 58 | 59 | 20 |   |   |
|           | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X | Y |

**FIG. 9B**

|           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
| SEGMENT C | 21 | 60 | 61 | 22 | 23 | 62 | 63 | 24 | 25 | 64 | 65 | 26 | 27 | 66 | 67 | 28 | 29 | 68 | 69 | 30 | 31 | 70 |   |   |
|           | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X  | Y  | X | Y |

**FIG. 9C****FIG. 9D**

**FIG. 10A**



**FIG. 10B**

| SEGMENT A              | SEGMENT B              | SEGMENT C              | SEGMENT D              | TIME         | SEGMENT D              | SEGMENT C              | SEGMENT B              | SEGMENT A              |
|------------------------|------------------------|------------------------|------------------------|--------------|------------------------|------------------------|------------------------|------------------------|
| ROW0-SEG <sub>A0</sub> | ROW3-SEG <sub>B6</sub> | ROW3-SEG <sub>C6</sub> | ROW0-SEG <sub>D4</sub> | 0T to 0.5T   | ROW0-SEG <sub>D5</sub> | ROW3-SEG <sub>C7</sub> | ROW3-SEG <sub>B7</sub> | ROW0-SEG <sub>A1</sub> |
| ROW0-SEG <sub>A0</sub> | MASK                   | ROW3-SEG <sub>C6</sub> | MASK                   | 0.5T to 1T   | MASK                   | ROW3-SEG <sub>C7</sub> | MASK                   | ROW0-SEG <sub>A1</sub> |
| ROW0-SEG <sub>A0</sub> | ROW0-SEG <sub>B0</sub> | ROW3-SEG <sub>C6</sub> | ROW3-SEG <sub>D6</sub> | 1T to 1.5T   | ROW3-SEG <sub>D7</sub> | ROW3-SEG <sub>C7</sub> | ROW0-SEG <sub>B1</sub> | ROW0-SEG <sub>A1</sub> |
| MASK                   | ROW0-SEG <sub>B0</sub> | MASK                   | ROW3-SEG <sub>D6</sub> | 1.5T to 2T   | ROW3-SEG <sub>D7</sub> | MASK                   | ROW0-SEG <sub>B1</sub> | MASK                   |
| ROW1-SEG <sub>A2</sub> | ROW0-SEG <sub>B0</sub> | ROW0-SEG <sub>C0</sub> | ROW3-SEG <sub>D6</sub> | 2T to 2.5T   | ROW3-SEG <sub>D7</sub> | ROW0-SEG <sub>C1</sub> | ROW0-SEG <sub>B1</sub> | ROW1-SEG <sub>A3</sub> |
| ROW1-SEG <sub>A2</sub> | MASK                   | ROW0-SEG <sub>C0</sub> | MASK                   | 2.5T to 3T   | MASK                   | ROW0-SEG <sub>C1</sub> | MASK                   | ROW1-SEG <sub>A3</sub> |
| ROW1-SEG <sub>A2</sub> | ROW1-SEG <sub>B2</sub> | ROW0-SEG <sub>C0</sub> | ROW0-SEG <sub>D0</sub> | 3T to 3.5T   | ROW0-SEG <sub>D1</sub> | ROW0-SEG <sub>C1</sub> | ROW1-SEG <sub>B3</sub> | ROW1-SEG <sub>A3</sub> |
| MASK                   | ROW1-SEG <sub>B2</sub> | MASK                   | ROW0-SEG <sub>D0</sub> | 3.5T to 4T   | ROW0-SEG <sub>D1</sub> | MASK                   | ROW1-SEG <sub>B3</sub> | MASK                   |
| ROW2-SEG <sub>A4</sub> | ROW1-SEG <sub>B2</sub> | ROW1-SEG <sub>C2</sub> | ROW0-SEG <sub>D0</sub> | 4T to 4.5T   | ROW0-SEG <sub>D1</sub> | ROW1-SEG <sub>C3</sub> | ROW1-SEG <sub>B3</sub> | ROW2-SEG <sub>A5</sub> |
| ROW2-SEG <sub>A4</sub> | MASK                   | ROW1-SEG <sub>C2</sub> | MASK                   | 4.5T to 5T   | MASK                   | ROW1-SEG <sub>C3</sub> | MASK                   | ROW2-SEG <sub>A5</sub> |
| ROW2-SEG <sub>A4</sub> | ROW2-SEG <sub>B4</sub> | ROW1-SEG <sub>C2</sub> | ROW1-SEG <sub>D2</sub> | 5T to 5.5T   | ROW1-SEG <sub>D3</sub> | ROW1-SEG <sub>C3</sub> | ROW2-SEG <sub>B5</sub> | ROW2-SEG <sub>A5</sub> |
| MASK                   | ROW2-SEG <sub>B4</sub> | MASK                   | ROW1-SEG <sub>D2</sub> | 5.5T to 6T   | ROW1-SEG <sub>D3</sub> | MASK                   | ROW2-SEG <sub>B5</sub> | MASK                   |
| ROW3-SEG <sub>A6</sub> | ROW2-SEG <sub>B4</sub> | ROW2-SEG <sub>C4</sub> | ROW1-SEG <sub>D2</sub> | 6T to 6.5T   | ROW1-SEG <sub>D3</sub> | ROW2-SEG <sub>C5</sub> | ROW2-SEG <sub>B5</sub> | ROW3-SEG <sub>A7</sub> |
| ROW3-SEG <sub>A6</sub> | MASK                   | ROW2-SEG <sub>C4</sub> | MASK                   | 6.5T to 7T   | MASK                   | ROW2-SEG <sub>C5</sub> | MASK                   | ROW3-SEG <sub>A7</sub> |
| ROW3-SEG <sub>A6</sub> | ROW3-SEG <sub>B6</sub> | ROW2-SEG <sub>C4</sub> | ROW2-SEG <sub>D4</sub> | 7T to 7.5T   | ROW2-SEG <sub>D5</sub> | ROW2-SEG <sub>C5</sub> | ROW3-SEG <sub>B7</sub> | ROW3-SEG <sub>A7</sub> |
| MASK                   | ROW3-SEG <sub>B6</sub> | MASK                   | ROW2-SEG <sub>D4</sub> | 7.5T to 8T   | ROW2-SEG <sub>D5</sub> | MASK                   | ROW3-SEG <sub>B7</sub> | MASK                   |
| ROW0-SEG <sub>A0</sub> | ROW3-SEG <sub>B6</sub> | ROW3-SEG <sub>C6</sub> | ROW2-SEG <sub>D4</sub> | 8T to 8.5T   | ROW2-SEG <sub>D5</sub> | ROW3-SEG <sub>C7</sub> | ROW3-SEG <sub>B7</sub> | ROW0-SEG <sub>A1</sub> |
| ROW0-SEG <sub>A0</sub> | MASK                   | ROW3-SEG <sub>C6</sub> | MASK                   | 8.5T to 9T   | MASK                   | ROW3-SEG <sub>C7</sub> | MASK                   | ROW0-SEG <sub>A1</sub> |
| ROW0-SEG <sub>A0</sub> | ROW0-SEG <sub>B0</sub> | ROW3-SEG <sub>C6</sub> | ROW3-SEG <sub>D6</sub> | 9T to 9.5T   | ROW3-SEG <sub>D7</sub> | ROW3-SEG <sub>C7</sub> | ROW0-SEG <sub>B1</sub> | ROW0-SEG <sub>A1</sub> |
| MASK                   | ROW0-SEG <sub>B0</sub> | MASK                   | ROW3-SEG <sub>D6</sub> | 9.5T to 10T  | ROW3-SEG <sub>D7</sub> | MASK                   | ROW0-SEG <sub>B1</sub> | MASK                   |
| ROW1-SEG <sub>A2</sub> | ROW0-SEG <sub>B0</sub> | ROW0-SEG <sub>C0</sub> | ROW3-SEG <sub>D6</sub> | 10T to 10.5T | ROW3-SEG <sub>D7</sub> | ROW0-SEG <sub>C1</sub> | ROW0-SEG <sub>B1</sub> | ROW1-SEG <sub>A3</sub> |
| ROW1-SEG <sub>A2</sub> | MASK                   | ROW0-SEG <sub>C0</sub> | MASK                   | 10.5T to 11T | MASK                   | ROW0-SEG <sub>C1</sub> | MASK                   | ROW1-SEG <sub>A3</sub> |

FIG. 10C